

Serial No.: 10/099,786
Amendment dated June 8, 2005
Response to Office Action mailed March 8, 2005

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph number 1 with the following paragraph:

This disclosure is related to the following co-pending application entitled "Telemetry Module With Configurable Physical Layer For Use With An Implantable Medical Device" by Goetz (U.S. Patent Application Serial No. 10/099,785; filed March 15, 2002) (~~Atty Docket No.: 011738-00057~~), which is not admitted as prior art with respect to the present disclosure by its mention in this section.

Please replace paragraph number 46 with the following paragraph:

The overall system includes a three-layer protocol stack that adds robustness to the serial channel physical layer. Figure 8 provides an illustration of the protocol layers of the telemetry module 240. Above the physical layer 805 are a data layer 810 and then a platform layer 815. The platform layer 815 is where messages are formed and sent, and where responses are received and processed. The data layer 810 is where the physical integrity (framing, CRC checking etc.) of all received information is accomplished. Platform Layer Messages (PLM) are passed to the data layer 810, which manages the actual transmission of the message. To accomplish this, the data layer 810 adds two items to the PLM; a header containing frame type and size information, and a CRC trailer used for validation. The completed product is called a "frame." There are three frame types. Messages to or from the Platform layer are frame type "DATA". The "ACK" and "NAK" frame types are assigned to messages that originate within the Data Layer, and are used to validate the transmission of "DATA" frames. A completed FRAME is buffered in the data layer 810 (in case of the need for re-transmission), and then sent through the physical layer 805 for actual transmission. One example for configuring the physical layer is disclosed in co-pending application entitled "Telemetry Module With Configurable Physical Layer For Use With An Implantable Medical Device" by Goetz (U.S. Patent Application Serial No. 10/099,785; filed March 15, 2002) (~~Atty Docket No.: 011738-00057~~), which is

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incorporated herein by reference. As discussed herein and in accordance with a preferred embodiment of the present invention, the data layer 810 may be configured by the application software with an appropriate protocol driver to operate in accordance with a desired telemetry protocol.